MODL C1G01: Wood Craft and Model Making 1

Module Title:	Wood Craft and Model Making 1
Language of Instruction:	English

Credits:	5

NFQ Level:	6

Module Delivered In	2 programme(s)

Teaching & Learning Strategies:	Lectures Tutorials Private study

Module Aim:	The aims of the subject are: 1. To provide with an introduction to understanding of wood craft and model making. 2. To provide an awareness and understanding of linear measurements. 3. To create an understanding of materials and their performance requirements. 4. To provide an understanding of materials, properties, functions and their interaction with modern construction techniques. 5. To provide an understanding of set site planning, organisation and safety and health

Learning Outcomes	
On successful completion of this module the learner should be able to:	
LO1	To Identify the risks and hazards associated with the workplace and to State the causes and means of prevention of accidents in the workplace;
LO2	Describe the characteristics of hardwood and softwood, their source of supply and uses.
LO3	To Apply the metric system of linear measurement in the production of framing joints using the millimetre unit of measurement.
LO4	To Use hand tools for the preparation of timber in the production of framing joints
LO5	Describe the advantages and disadvantages in material and application of manufactured boards
LO6	Understand and apply scale rules and material selection in MODEL MAKING

Pre-requisite learning
Module Recommendations *This is prior learning (or a practical skill) that is recommended before enrolment in this module.*
No recommendations listed
Incompatible Modules *These are modules which have learning outcomes that are too similar to the learning outcomes of this module.*
No incompatible modules listed
Co-requisite Modules
No Co-requisite modules listed
Requirements *This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed.*
No requirements listed

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Module Content & Assessment

Indicative Content
(1)Workplace Related Safety Legislative responsibility and liability, (b) First Aid Equipment (c) Personal Protection Equipment (d) Safe Working Procedures (e) Safe Handling and Lifting, (f) On site risk assessments (g) Procedures for the management of hazardous substances, (h) Hazard identification.
(2) Toolkit and Sharpening Identify and name the basic hand tools, State the function of each tool, Use a sharpening stone to hone and sharpen chisel and plane irons
(3) Introduction to Wood Craft a) The characteristics of Softwoods used in Ireland b) The characteristics of Hardwoods used in Ireland c) Source of supply of Softwoods and Hardwoods d) Methods used in the conversion of trees e) Methods of seasoning timber f) Correct method for checking moisture content for timber used externally and internally g) Identify wood used in joinery and for structural purposes h) The process used in producing Manufactured Boards i) Identify where each type of Manufactured Board could be used.
(4) Wood Technology (a) Mark out and manufacture the following framing joints 1) Cross, tee and dovetail halving 2) Tee and corner bridle 3) Mortice and tenon 4) Hunched mortice and tenon 4) Manufacture square and wedge frames containing framing joints
(5) Linear Measurement (a) Define linear measurements and standard symbols, (b) Apply linear measurements in millimetres in the context of craft activities, (c) Metric system; base units; derived units; prefixes for multiples (d) Measuring equipment; rule, tape and digital meter
(6) Set Types cloths, flats, open, representational.
(7) Model Making a) Choosing the right materials for your model. Read the sections "Making your model" Colour and texture in models , the scale of model. Use materials that go together. Cardboard and paper, MDF and cork. b) Practical making of selected projects

Assessment Breakdown	%
Project	40.00%
End of Module Formal Examination	60.00%

No Continuous Assessment

Project

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Project	A number of small module related projects, both practical and academic	1,2,3,4,5,6	40.00	n/a

No Practical

End of Module Formal Examination

Assessment Type	*Assessment Description*	*Outcome addressed*	*% of total*	*Assessment Date*
Formal Exam	No Description	1,2,3,4,5	60.00	End-of-Semester

SETU Carlow Campus reserves the right to alter the nature and timings of assessment

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Module Workload

Workload: Full Time		
Workload Type	*Frequency*	*Average Weekly Learner Workload*
Lecture	12 Weeks per Stage	2.00
Tutorial	12 Weeks per Stage	2.00
Estimated Learner Hours	12 Weeks per Stage	4.00
	Total Hours	96.00

Module Delivered In

Programme Code	Programme	Semester	Delivery
CW_CGSDC_B	Bachelor of Science (Honours) in Set Design and Construction	1	Mandatory
CW_CGSDC_D	Bachelor of Science in Set Design and Construction	1	Mandatory